

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

**Shlomo BEN-HAIM, et al.**

Serial No.: 09/133,987

Filed: March 12, 1999

For: CARDIAC OUTPUT ENHANCED  
PACEMAKER



Group Art Unit: 3762

Examiner: J. Jastrzab

February 22, 2001

Assistant Commissioner for Patents  
Washington, D.C. 20231

AMENDMENT UNDER 37 C.F.R. § 1.111

S I R :

In response to the Office Action dated September 22, 2000, please amend the above-referenced application as follows:

IN THE CLAIMS:

Please amend the claims as follows:

1. (Amended) Apparatus for heart pacing with cardiac output modification, comprising:  
one or more electrodes[, which] adapted to apply electrical signals to cardiac muscle segments; and  
signal generation-circuitry[, which applies] adapted to apply an excitatory electrical pulse to at least one or more electrodes to pace the heart and a non-excitatory stimulation pulse of a magnitude and at a timing at which it is unable to generate a propagating action potential to at least one of the one or more electrodes to modify the cardiac output.

27. (Amended) A method for heart pacing with modification of cardiac contraction, comprising: